



Series E push / pull force gauges make job task analysis and ergonomics analysis simple and accurate, ideal for workplace design, strength assessment, and ergonomic studies. Series E presents the ergonomist and other professionals with a simple and economical testing solution. 100 lbF, 200 lbF and 500 lbF (500, 2,500, and 5,000 N) capacity force gauges are available, along with a wide range of attachments for various applications.

Select a pre-configured kit, including a gauge, accessories, and carrying case, or select each item individually to suit particular needs.

## Features & Specifications

- Measure real time and peak push and pull forces
- Three measuring ranges: 100, 200, and 500 lbF (500, 1000, and 2,500 N)
- Accuracy:  $\pm 0.2\%$  of full scale
- Sampling rate: 7,000 Hz
- USB data output
- High / low limit indicators, for pass / fail and minimum force testing
- Averaging mode calculates average force over a period of time
- 5,000-point data memory - data points may be saved individually or logged continuously at up to 7,000 Hz. Data points may be bulk downloaded to included MESUR™ Lite data collection software.
- Statistical calculations for saved data points
- Includes an AC adapter/charger, rechargeable battery, MESUR™ Lite software, MESUR™ gauge 90-day trial, USB cable, USB driver, carrying case, and NIST-traceable certificate of calibration with data



Attachments click and lock into place via innovative Click-Lock™ technology, a rugged anti-rotation locking mechanism. The attachments may be clicked into 90° or 180° orientations. No fastening is required, as with conventional force gauges, reducing the risk of damage to the instrument.



## Capacities & Resolutions

| Model  | lbF        | ozF      | kgF        | gF         | N          | kN           |
|--------|------------|----------|------------|------------|------------|--------------|
| ME-100 | 100 x 0.05 | 1600 x 1 | 50 x 0.02  | 50000 x 20 | 500 x 0.2  | -            |
| ME-200 | 200 x 0.05 | 3200 x 1 | 100 x 0.02 | -          | 1000 x 0.2 | 1 x 0.0002   |
| ME-500 | 500 x 0.1  | 8000 x 2 | 250 x 0.05 | -          | 2500 x 0.5 | 2.5 x 0.0005 |

Force gauges include 110V AC adapters. Add suffix 'E' for Euro plug, 'U' for UK plug, or 'A' for Australian plug.

Ex: ME-100E, ME-200U, ME-500A

## Select individual accessories or pre-configured kits



## Accessories

### Rectangular Pad E1003



- Pad dimensions:  
4.0 x 1.0 x 0.5 in.  
[102 x 25 x 13 mm]

### Curved Pad E1004



- Pad dimensions:  
1.0 in. [25 mm] deep  
3.2 in. [81 mm] radius  
0.5 in. [13 mm] thick

### Square Pad E1002



- Pad dimensions:  
1.0 x 1.0 x 0.5 in.  
[25 x 25 x 13 mm]

### Circular Pad E1005



- Pad dimensions:  
3.0 in. [76 mm] dia.,  
0.5 in. [13 mm] thick

## Snap Hook E1006



- Snap clasp, for added safety
- Swiveling action ensures proper alignment

## Chain / Hook Assembly E1007



- Includes E1006 hook and chain
- Chain length: 5 ft (1.5 m)

## Single Handle Grip E1008



- Ergonomic rubber-padded handle for a secure grip
- Attaches to force gauge via included thumb screws

## Double Handle Grip E1009



- Ergonomic rubber-padded handles, for a secure grip
- Attaches to force gauge via included thumb screws

## Pistol Grip E1010



- Ergonomic design for a secure grip
- Attaches to force gauge via included thumb screws

## Standard Grip Adapter E1011



- Adapts other Mark-10 grips via 5/16-18F thread
- Includes male/male stud with jam nuts

## Looped Cable E1012



- Braided stainless steel
- 43 in. [1,092 mm] length

## Myometer Accessory E1013



- Includes tabletop mounting kit for force gauge, strap, and mounting screws. Hook not included.



## Small Carrying Case E1000



- Shown populated with optional accessories.
- The following page lists the components compatible with each carrying case.

## Large Carrying Case E1001



- Shown populated with optional accessories.
- The following page lists the components compatible with each carrying case.

## Series EKE Kits - Included Items



|  | Model No.                  | Description  | Advanced Kits <sup>1</sup>        | Professional Kits <sup>1</sup>    |
|--|----------------------------|--|-----------------------------------|-----------------------------------|
|  |                            |  | EKE-100-1 / EKE-200-1 / EKE-500-1 | EKE-100-2 / EKE-200-2 / EKE-500-2 |
|  | ME-100<br>ME-200<br>ME-500 | Force gauge, 100 lbF / 500 N<br>Force gauge, 200 lbF / 1,000 N<br>Force gauge, 500 lbF / 2,500 N | ✓                                 | ✓                                 |
|  | E1002                      | Padded attachment, square  | ✗                                 | ✓                                 |
|  | E1003                      | Padded attachment, rectangular   | ✓                                 | ✓                                 |
|  | E1004                      | Padded attachment, curved  | ✓                                 | ✓                                 |
|  | E1005                      | Padded attachment, circular  | ✗                                 | ✓                                 |
|  | E1006                      | Clasp hook   | ✓                                 | ✓                                 |
|  | E1007                      | Chain / clasp hook assembly  | ✗                                 | ✓                                 |
|  | E1008                      | Single handle grip   | ✗                                 | ✓                                 |
|  | E1009                      | Double handle grip   | ✓                                 | ✓                                 |
|  | E1010                      | Pistol grip  | ✗                                 | ✓                                 |
|  | E1011                      | Grip adapter   | ✗                                 | ✗                                 |
|  | E1012                      | Looped cable <sup>2</sup>  | ✗                                 | ✗                                 |
|  | E1013                      | Myometer accessory <sup>2</sup>  | ✗                                 | ✗                                 |
|  | E1000                      | Carrying case, small   | ✓                                 | ✗                                 |
|  | E1001                      | Carrying case, large   | ✗                                 | ✓                                 |

1. Kits include a force gauge with 110V AC adapter. Add suffix 'E' for Euro plug, 'U' for UK plug, or 'A' for Australian plug. Ex: EKE-100-1E  
2. Does not fit into carrying case pockets.